

CLAIMS

What Is Claimed Is:

5 1. A spunbond fabric having excellent softness and strength, made from the spunbond process, including:

(a) extruding filaments composed of at least one component of an ultra low viscosity PP polymeric resin having an MFR greater than 100 from a spinneret;

10 (b) drawing said filaments through a drawing unit;

(c) generating a filament speed above 4,000 meters per minute; and

(d) creating a fabric of at least one layer from said filaments drawn from said drawing unit.

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2. A spunbond fabric as in claim 1, including the additional step of:

(e) creating a multiple layer composite fabric containing the layer of said filaments received from said drawing unit.

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3. A spunbond fabric having excellent softness, strength, barrier properties and air breathability made from the spunbond process, including:

(a) extruding filaments composed of at least one component of polyethylene terephthalate resins with IV

(intrinsic viscosity) of less than 0.55 from a spinneret;

(b) drawing said filaments through a drawing unit;

(c) generating filament speeds above 4,000 meters per minute; and

30 (d) creating a fabric from at least one layer of said filaments.

4. A spunbond fabric as in claim 3, including the step of:

providing additional layers of filaments on said one layer
35 of filaments to create a multiple layer composite fabric therefrom.

5. A spunbond fabric having excellent softness, strength, barrier properties, and air breathability made from a spunbond
40 process, including:

(a) extruding filaments composed of at least one component of polyamide (PA6) of R.V. below 2.2 from a spinneret;

(b) drawing said filaments through a drawing unit;

45 (c) generating a filament speed above 4,000 meters per minute; and

(d) forming a fabric of at least one layer from said filaments drawn from said unit.

50 6. A spunbond fabric as in claim 5, including the additional step of:

(e) creating a multiple layer composite fabric containing the layer of said filaments received from said drawing unit.

55 7. A spunbond fabric having excellent softness, barrier properties, and air breathability made from a spunbond process, including:

(a) extruding filaments composed of at least one component of polyethylene resin with MFR over 50 from a
60 spinneret;

(b) drawing said filaments through a drawing unit; and

(d) forming a fabric of at least one layer from said filaments drawn from said unit.

65 8. A spunbond fabric as in claim 7, including the additional step of:

(e) creating a multiple layer composite fabric containing the layer of said filaments received from said drawing unit.